

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF A HAZARD IDENTIFICATION BEACON IN THE CONCRETE MEDIAN OF MD 26 AT FLANNERY LANE IN BALTIMORE COUNTY.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. RANDAL SCOTT, ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (410) 321-2841  
MR. DANIAL WITT, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION  
PHONE: (410) 321-2821  
MR. STEVE MARCISZEWSKI, ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: (410) 321-2761  
MS. SUENETTE POPE, UTILITY ENGINEER  
PHONE: (410) 321-2841  
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7630

2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR FOLLOWING MSHA STANDARD PLATES FOR TRAFFIC CONTROL.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

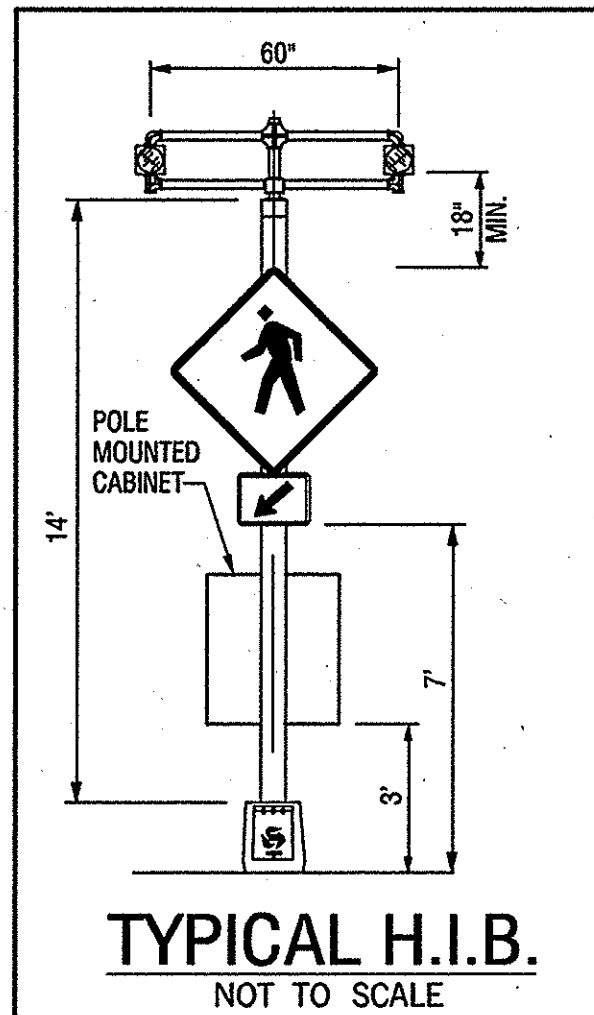
CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
900000	SHEET ALUMINUM POLE MOUNTED SIGNS CONSISTING OF: W11-2(36"x36") POLE MOUNT W16-7P (24"x30") POLE MOUNT	SF EA EA	28 2 1
971040	TWO CIRCUIT FLASHER AND CABINET - POLE MOUNT	EA	1

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
203030	TEST PIT EXCAVATION	CY	1
801004	CONCRETE FOR SIGNAL FOUNDATION	CY	1
802501	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	355
602502	NO. 4 AWG STRANDED BARE COPPER GROUND WIRE	LF	10
805125	2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	15
805140	4 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	10
805145	2 IN. SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED	LF	60
807202	METER SERVICE PEDESTAL	EA	1
810022	CABLE - 1 CONDUCTOR, NO. 8 AWG-THHN/THWN	LF	165
811001	F&I ELECTRICAL HANDHOLE	EA	1
813015	INSTALL OVERHEAD SIGN	SF	28
818010	14 FOOT BREAKAWAY PEDESTAL POLE	EA	1
821003	BREAKAWAY BASE SUPPORT FOR SIGNAL STRUCTURES	EA	1
834001	CONNECTOR KIT TYPE I	EA	2
837001	GROUND ROD - 3/4 IN. DIAMETER X 10 FT. LENGTH	EA	4
860284	12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	4
861106	ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 AWG)	LF	70
871040	INSTALL TWO CIRCUIT FLASHER AND CABINET - POLE MOUNT	EA	1

CONSTRUCTION DETAILS

- A. INSTALL CONCRETE FOUNDATION WITH 14 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, POLE MOUNTED SIZE "G" CABINET, TRAFFIC SIGNAL HEADS AND SIGNS. (NOTE: TWO 2 IN. PVC SCHEDULE 80 CONDUIT BENDS).
- B. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT FOR ELECTRICAL SERVICE - TRENCHED. STUB OUT CONDUIT BEND AT BASE OF UTILITY POLE.
- C. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
- D. INSTALL HANDHOLE.
- E. INSTALL 100 AMP METER SERVICE PEDESTAL.
- F. PRIOR TO THE INSTALLATION OF THE CONCRETE MEDIAN AND AFTER THE CLASS II EXCAVATION THE CONTRACTOR SHALL INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.



TYPICAL H.I.B.  
NOT TO SCALE

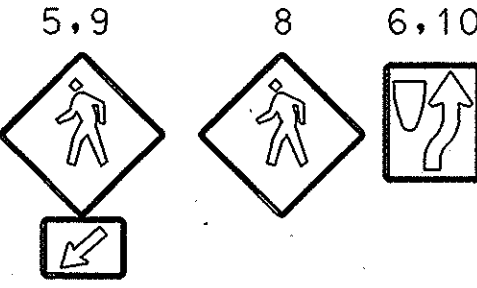
GEOMETRIC LEGEND

--- EXISTING  
--- PROPOSED

UTILITY LEGEND

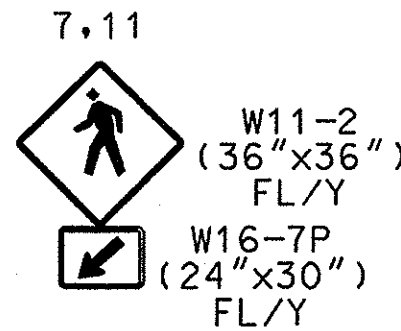
--- SD --- STORM DRAIN  
--- G --- GAS MAIN  
--- W --- WATER MAIN  
--- SAN --- SEWER MAIN  
--- E --- ELECTRIC CABLES  
--- A --- AERIAL CABLES  
--- T --- TELEPHONE CABLES  
--- FO --- FIBER-OPTIC

SIGNS TO BE INSTALLED BY OTHERS



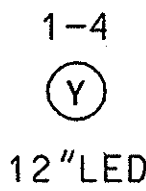
NOTE:  
FOR INSTALLATION OF SIGNS  
REFER TO PLAN SHEETS PS01  
THROUGH PS04 OF THE CONTRACT  
DOCUMENTS

PROPOSED SIGNS



MOBIL GAS  
STATION

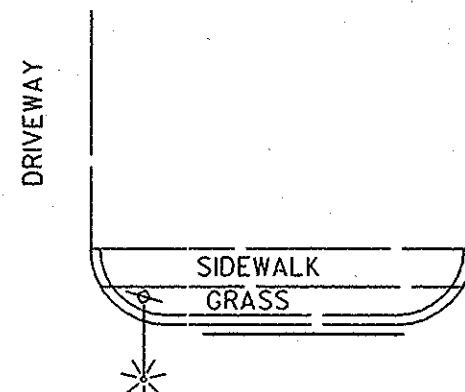
PROPOSED SIGNALS



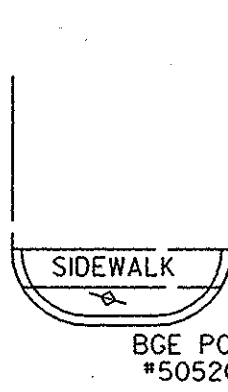
MD 26 IS ASSUMED TO RUN  
IN A EAST / WEST DIRECTION

TO RANDALLSTOWN

MR. TIRE

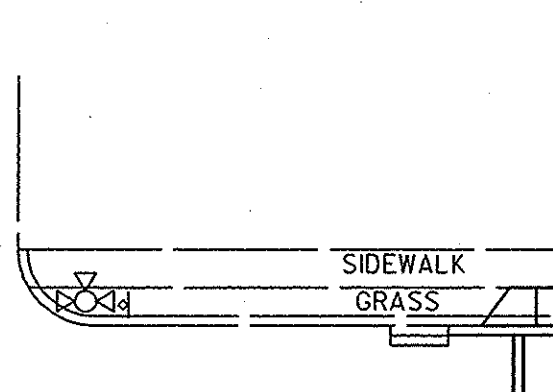


DRIVEWAY



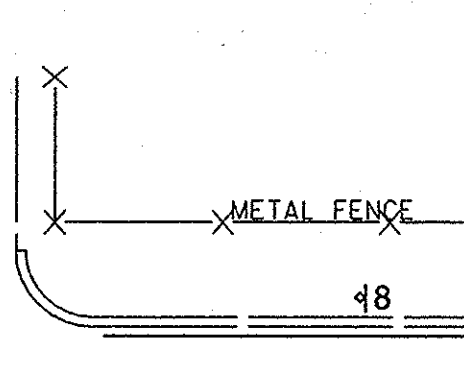
BGE POLE  
#505207

DRIVEWAY



DRIVEWAY

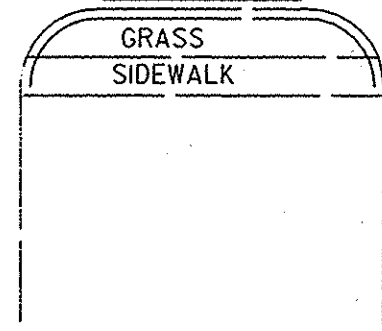
DRIVEWAY



METAL FENCE

MD 26 (LIBERTY ROAD)

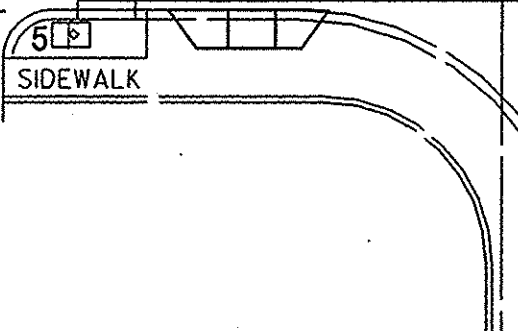
VENETIAN ROAD



DRIVEWAY



DRIVEWAY



Majic Motors

PEDESTRIAN ISLAND 'F'

NOTE TO SCALE

FLANNERY LANE

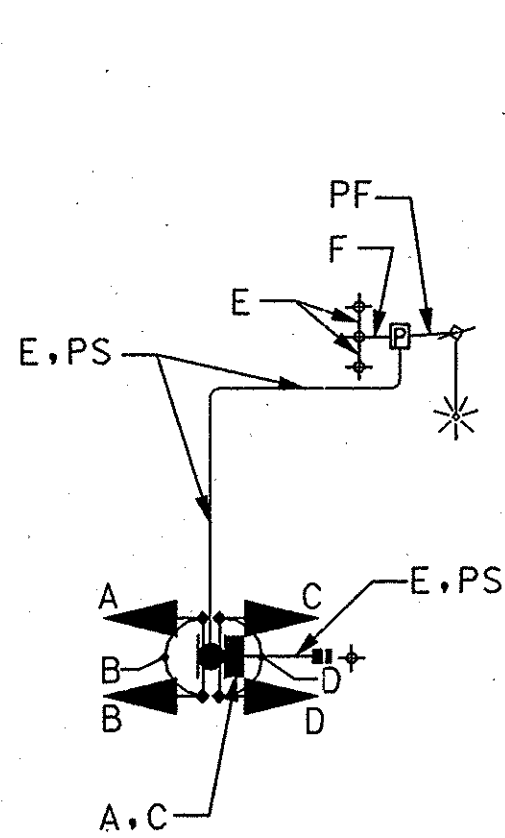
TO BALTIMORE CITY

BGE #  
505560

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
2. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
3. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL EQUIPMENT.
4. FOR INSTALLATION OF ADA RAMPS, CROSSWALK STRIPING AND CONCRETE MEDIAN ISLANDS REFER TO PLAN SHEETS PS01 THROUGH PS04 OF THE CONTRACT DOCUMENTS.

WIRING DIAGRAM



- KEY
- A } 3 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)  
B }  
C }  
D }  
E } 1 CONDUCTOR NO. 6 AWG STRANDED BARE COPPER GROUND WIRE  
F } 1 CONDUCTOR NO. 4 AWG STRANDED BARE COPPER GROUND WIRE  
PS } POWER SERVICE UNDERGROUND 2-WIRE, 1 CONDUCTOR (NO. 8 AWG)  
PF } PROPOSED UNDERGROUND FEED BY OTHERS  
+ } GROUND ROD

NOTE:  
CONNECTOR KIT TYPE I FOR SERVICE CABLES - 2 EACH IN POLE BASE.

TCD 5

SHA

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 26 (LIBERTY ROAD) AT  
FLANNERY LANE (H.I.B.)  
BALTIMORE, MARYLAND

APPROVALS

TEAM LEADER  
ASST. DIV. CHIEF  
DIVISION CHIEF  
OFFICE DIRECTOR

REVISIONS

TRAFFIC CONTROL DEVICE

SCALE NONE DATE 11/2005 CONTRACT NO. BA4845176  
DESIGNED BY S. SMITH COUNTY BALTIMORE  
DRAWN BY S. SMITH LOGMILE .03026010.30  
CHECKED BY S. RENZI T.I.M.S. NO. G503  
F.A.P. NO. N/A TOD NO. N/A  
DRAWING NO. TS-4399 SHEET NO. OF

SABRA, WANG & ASSOCIATES, INC.  
1504 JOH AVENUE  
SUITE 100  
BALTIMORE, MD 21227  
(410) 737-6564  
WWW.SABRA-WANG.COM